

Shahbaz Abbas

Assistant Professor
School of Interdisciplinary Engineering & Sciences

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About

Dr. Shahbaz Abbas is working as Assistant Professor in the School of Interdisciplinary Engineering & Sciences. Dr. Shahbaz Abbas has a PhD in Sustainable Energy Management. Dr. Shahbaz Abbas has published 15 research articles & conference papers having a citation count of 110, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Sustainable Energy Management	2018 - 2021
Prince of Songkla University , Thailand	
MS in Engineering Management	2012 - 2014
Capital University of Science and Technology, Islamabad , Pakistan	
BS in Electronic Engineering	2004 - 2008
Mohammad Ali Jinnah University, Karachi , Pakistan	

Experience

Assistant Professor	2025- Present
School of Interdisciplinary Engineering & Sciences	
Assistant Professor	2022 - 2022
College of Electrical & Mechanical Engineering	
Assistant Professor	2022 - 2025
College of Electrical & Mechanical Engineering	
Lecturer	2010 - 2017
Capital University of Science and Technology , Zone V, Kahuta Road, Islamabad	

Research Articles

Is quality of service along with stakeholder interdependencies imperative for the socially sustainable digital startups?	2025
Javaria Umbreen Shahbaz Abbas Dr.Yasir Ahmad Afshan Naseem Muhammad Zeeshan Mirza	
International Journal of Quality & Reliability Management, Pages 1-32	
Impact Factor: 3.000 Quartile: 2	
DOI: 10.1108/IJQRM-01-2024-0005	
Advancements in combustion technologies: A review of innovations, methodologies, and practical applications	2025
Abdellatif M. Sadeq Raad Z. Homod Husam Abdulrasool Hasan Bilal Naji Alhasnawi Ahmed Kadhim Hussein Ali Jahangiri Hussein Togun Masoud	
Dehghani-Soufi Shahbaz Abbas	
Energy Conversion and Management: X, Volume:26, Article Number 100964	
Impact Factor: 7.100 Quartile: 1	
DOI: https://doi.org/10.1016/j.ecmx.2025.100964	
Integrating relational values in social acceptance of photovoltaic energy storage systems: A consumers' perspective assessment using structural equation modeling	2024
Shahbaz Abbas Kuaanan Techato Lin-Han Chiang Hsieh Abdellatif M. Sadeq	
Energy , Volume 304, Article Number 132092	
Impact Factor: 9.000 Quartile: 1 Citations: 5	
DOI: https://doi.org/10.1016/j.energy.2024.132092	

Interplay of emerging industrial technologies, ambidexterity, and sustainability: The case of the textile sector <i>Binyameen Aslam Shahbaz Abbas Yasir Ahmad Syed Tasweer Hussain Shah Masood Raza</i> <i>Sustainable Production and Consumption</i> , Volume 49, Pages 372-386 Impact Factor: 10.900 Quartile: 1 Citations: 4 DOI: https://doi.org/10.1016/j.spc.2024.07.006	2024
Modelling and Optimization of an existing Onshore Gas Gathering Network using PIPESIM <i>Iftikhar Ahmed Aditya Prana Iswara Shahbaz Abbas Fahim Qaisar Jamal Iftikhar Ahmad Syed Tasweer Hussain Shah Afshan Naseem</i> <i>Heliyon</i> , Volume 10, Issue 15, Article Number e35006 Impact Factor: 3.400 Quartile: 1 Citations: 1 DOI: https://doi.org/10.1016/j.heliyon.2024.e35006	2024
Integrating eco-labeling and green advertising in achieving Sustainable Development Goal 12 <i>Shahbaz Abbas Hania Munir Yasir Ahmad</i> <i>Business Strategy and Development</i> , Volume 7, Issue 2, Article Number e378 Impact Factor: 4.800 Quartile: 1 Citations: 4 DOI: https://doi.org/10.1002/bsd2.378	2024
Revolutionising sustainability using a new triplet: A system dynamic model <i>Shahbaz Abbas Abdur Rehman Bin Nasir Rao Farrukh Khattak Yasir Ahmad</i> <i>Ecological Modelling</i> , Volume 492, Article Number 110720 Impact Factor: 3.100 Quartile: 2 DOI: https://doi.org/10.1016/j.ecolmodel.2024.110720	2024
Is it worthwhile to manage airport efficiency through privatization in a developing country? A case study of Pakistani airports <i>Syed Askari Muslim Yasir Ahmad Shahbaz Abbas</i> <i>Journal of Air Transport Management</i> , Volume 115, Article Number: 102549 Impact Factor: 6 Quartile: 2 Citations: 2 DOI: 10.1016/j.jairtraman.2024.102549	2024
Analysis of processed natural gas injection on hydrate formation in high pressure refrigerated condensate lines <i>Iftikhar Ahmed Shahbaz Abbas Fahim Qaiser Jamal Iftikhar Ahmad Afshan Naseem Abdul Malik Tahir</i> <i>Heliyon</i> , Volume 10, Issue 4, Article Number; e25811 Impact Factor: 4.0 Quartile: 2 Citations: 1 DOI: 10.1016/j.heliyon.2024.e25811	2024
Evaluation of Centralized Management and Distributed Deployment of Photovoltaic System for Domestic Households <i>Hamza Sadat Afshan Naseem Shahbaz Abbas Mehran Ullah Majid Ali Masood Raza</i> <i>IEEE Access</i> , Volume: 12, Page(s): 13290-13309 Impact Factor: 3.9 Quartile: 2 Citations: 1 DOI: 10.1109/ACCESS.2023.3341213	2023
Numerical Simulation of the Performance of Sb2Se3 Solar Cell via Optimizing the Optoelectronic Properties Based SCAPS-1D <i>Shahbaz Abbas Saraswati Bajgai Asmaa Soheil Najm Mohammad Shah Jamal Kuaanan Techato Sittiporn Channumsin Suwat Sreesawet Manun</i> <i>Channumsin Amel Laref Kazi Sajedur Rahman Araa Mebdir Holi Md Shahariar Chowdhury</i> <i>Materials</i> , Volume 15, Issue 18, Article Number 6272 Impact Factor: 3.748 Quartile: 1 Citations: 30 DOI: https://doi.org/10.3390/ma15186272	2022
Supply chain integrated decision model in order to synergize the energy system of textile industry from its resource waste <i>Shahbaz Abbas Lin-Han Chiang Hsieh Kuaanan Techato</i> <i>Energy</i> , Volume 229, Article Number 120754 Impact Factor: 8.857 Quartile: 1 Citations: 14 DOI: 10.1016/j.energy.2021.120754	2021
Sustainable production using a resource-energy-water nexus for the Pakistani textile industry <i>Shahbaz Abbas Lin-Han Chiang Hsieh Kuaanan Techato Juntakan Taweekun</i> <i>Journal of Cleaner Production</i> , Volume 271, Article Number 122633 Impact Factor: 9.297 Quartile: 1 Citations: 35	2020

Book Chapters

Analysis of Pakistani Textile Industry: Recommendations Towards Circular and Sustainable Production <i>Shahbaz Abbas Anthony Halog</i> In: <i>Book on Circular Economy: Assessment and Case Studies</i> , 1st Edition, Chapter 3, Pages 77-111 Citations: 13 DOI: https://doi.org/10.1007/978-981-16-3698-1_3	2021
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Editorial Activities

Technology in Society Reviewed Papers for Journals Impact Factor: 10.32	2024
Environment, Development and Sustainability (ENVI) Reviewed Papers for Journals Impact Factor: 4.9	2024
Environment, Development and Sustainability (ENVI) Reviewed Papers for Journals Impact Factor: 4.9	2024
International Journal of Consumer Studies Reviewed Papers for Journals Impact Factor: 9.9	2024
PLOS ONE Reviewed Papers for Journals Impact Factor: 3.75	2024
Environment, Development and Sustainability Reviewed Papers for Journals Impact Factor: 4.9	2023
Environment, Development and Sustainability (ENVI) Reviewed Papers for Journals Impact Factor: 4.9	2023
Environment, Development and Sustainability Reviewed Papers for Journals Impact Factor: 4.9	2023
International Journal of Consumer Studies Reviewed Papers for Journals Impact Factor: 9.9	2022